

# Converting Colors

XYZ(51.3185, 29.2481, 41.9873)

Have a look what the booklet for  
XYZ(51.3185, 29.2481, 41.9873)  
contains.

<b>XYZ(51.1352, 29.1361, 41.9584)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.1352, 29.1361,  
41.9584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4AAC
RGB	255, 74, 172
RGB Percent	100%, 29%, 67%
CMY	0.0000, 0.7098, 0.3255
CMYK	0.00, 0.71, 0.33, 0.00
HSL	328°, 100%, 65%
HSV	328°, 71%, 100%
XYZ	51.1352, 29.1361, 41.9584
YIQ	139.2910, 76.4180, 68.8500

# Conversions

## Conversions Part 2

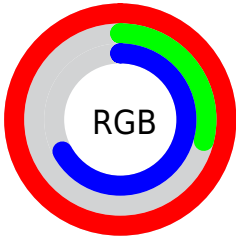
Format	Color
R <sub>Y</sub> B	255, 74, 172
Decimal	16730796
CIE Lab	60.90, 75.19, -12.95
CIE LCh	61, 76.294, 350.226
Yxy	29.1361, 0.4184, 0.2384
Android (android.graphics.Color)	4294920876 (0xFFFF4AAC)
YUV	139.2910, 16.1255, 101.4768
Hunter-Lab	53.9779, 74.6383, -8.3032

# Details

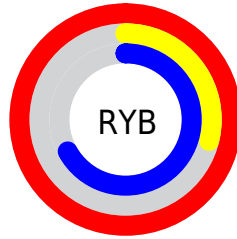
The XYZ color **51.1352, 29.1361, 41.9584** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **44.6716, 75.4110, 44.1044**, and the grayscale version is **24.5736, 25.8533, 28.1543**.

A 20% lighter version of the original color is **63.9093, 44.4144, 77.8775**, and **25.6383, 12.8254, 18.8936** is the 20% darker color. If you saturate the color by 10%, you get **48.6900, 25.9647, 35.8439**, and if you desaturate by 10%, it is **54.3701, 33.7287, 48.8243**.

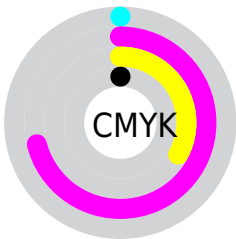
# Distribution



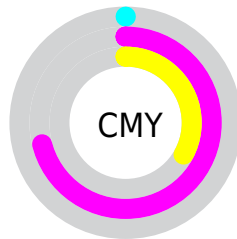
- Red (100%)
- Green (29%)
- Blue (67%)



- Red (100%)
- Yellow (29%)
- Blue (67%)



- Cyan (0%)
- Magenta (71%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1352, 29.1361, 41.9584 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 51.1352, 29.1361, 41.9584 by changing the saturation by 10% instead.





 51.1352, 29.1361,  
41.9584

 51.1352, 29.1361,  
41.9584


381.4679,  
297.8566, 370.1050


 36.5377, 19.1838,  
28.7434


 91.0364, 58.2933,  
79.4061


 25.0218, 11.8032,  
18.6429


 117.0708, 78.2669,  
104.4758

 16.2221, 6.6098,  
11.2383


 147.6482,  
102.3498, 134.3342

 9.7733, 3.2193,  
6.1112

 183.1340,  
130.9263, 169.3998

 5.3100, 1.2473,  
2.8429

223.8935,  
164.3808, 210.0912

 2.4669, 0.0998,  
1.0150

270.2920,

 0.8786, 0.0000,

203.0978, 256.8268

0.0000

322.6951,  
247.4616, 310.0252

■ 0.0000, 0.0000,  
0.0000

■ 51.1352, 29.1361,  
41.9584

■ 51.1352, 29.1361,  
41.9584

■ 48.6900, 25.9647,  
35.8439

■ 54.3701, 33.7287,  
48.8243

■ 46.9405, 24.0308,  
30.4362

■ 58.4693, 39.8878,  
56.4778

■ 45.8318, 23.0967,  
26.1100

■ 63.5007, 47.7452,  
64.9533

■ 69.5243, 57.4177,  
74.2821

■ 76.5951, 69.0116,  
84.4934

84.7638, 82.6249,  
95.6147

94.0779, 98.3489,  
107.6720

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1430, 29.1361, 81.2402



51.1352, 29.1361, 41.9584



49.7901, 29.1361, 16.3074

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.1352, 29.1361, 41.9584



21.5940, 29.1361, 3.0892



17.1725, 29.1361, 95.1739

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.1352, 29.1361, 41.9584



44.6716, 75.4110, 44.1044

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.3463, 29.1361, 54.6744



51.1352, 29.1361, 41.9584



15.4427, 29.1361, 8.0035

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.1352, 29.1361, 41.9584



31.0675, 29.1361, 2.5743



12.7997, 29.1361, 23.3063



24.5721, 29.1361, 122.0829



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.1352, 29.1361, 41.9584



45.0086, 29.1361, 7.8718



12.7997, 29.1361, 23.3063



15.5087, 29.1361, 81.8625

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51.1360, 29.1376, 41.9589



76.5769, 68.9815, 84.4679



34.1048, 19.1328, 96.5032



15.9498, 14.0376, 17.4570



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.1360, 29.1376, 41.9589



47.9081, 25.0491, 33.5855



45.2532, 26.7845, 10.9807



18.4207, 18.1516, 20.8326



24.0244, 12.0991, 14.0449



2.3943, 1.2001, 1.6581



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.1360, 29.1376, 41.9589



47.9081, 25.0491, 33.5855



55.2118, 79.6271, 99.6086



18.4207, 18.1516, 20.8326



24.0244, 12.0991, 14.0449



2.3943, 1.2001, 1.6581



# Previews

## White Background



This preview shows how the XYZ color 51.1352, 29.1361, 41.9584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

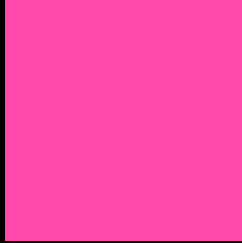
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.1352, 29.1361, 41.9584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

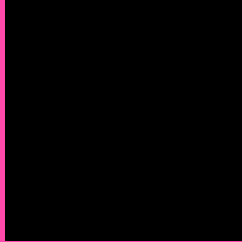
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.1352, 29.1361, 41.9584

## Background



This preview shows how black text looks on a background with the XYZ color 51.1352, 29.1361, 41.9584.



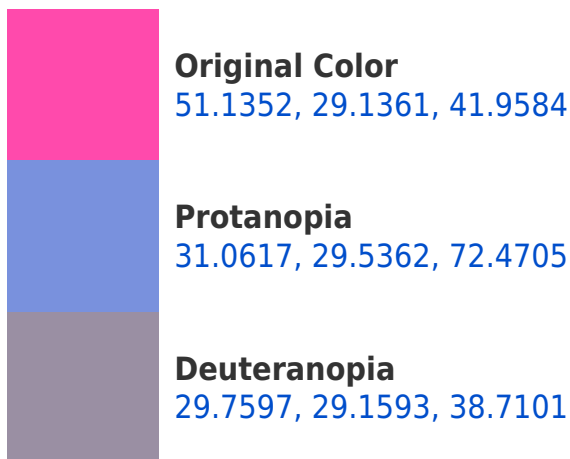
This preview shows how white text looks on a background with the XYZ color 51.1352, 29.1361,

41.9584.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





## Tritanopia

45.6792, 29.2303, 15.0388

# Trichromacy



## Original Color

51.1352, 29.1361, 41.9584



## Protanomaly

33.9539, 26.0515, 59.7388



## Deuteranomaly

34.8472, 26.7864, 39.4100



## Tritanomaly

47.3190, 29.0182, 22.8457

# Monochromacy



## Original Color

51.1352, 29.1361, 41.9584



## Achromatopsia

24.5403, 25.8183, 28.1161



## Achromatomaly

30.7727, 24.3196, 32.3504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1352, 29.1361, 41.9584 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 74, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 74, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1352, 29.1361, 41.9584 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 74, 172) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 74, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 74, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1352, 29.1361, 41.9584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 74,  
172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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